Waterbody	Listing ID(s)	Pollutant
Adams Creek	45462, 45695	Bacteria
Ellis Creek	45480	Bacteria
Indian Creek	3758, 74218	Bacteria
Mission Creek	45212	Bacteria
Moxlie Creek	3759, 3761	Bacteria
Reichel Creek	3763	Bacteria
Schneider Creek	45559	Bacteria
Spurgeon Creek	46061	Bacteria
Ayer (Elwanger) Creek	5851	Dissolved Oxygen
Black Lake Ditch	47761	Dissolved Oxygen
Deschutes River	10894, 47753, 47754, 47756	Dissolved Oxygen
Lake Lawrence Creek	47696	Dissolved Oxygen

Percival Creek	48085	Dissolved Oxygen
Reichel Creek	47714	Dissolved Oxygen
Deschutes River	6232	Fine Sediment
Adams Creek	50965	pH
Ayer (Elwanger) Creek	5850	pH
Black Lake Ditch	50989	pH
Ayer (Elwanger) Creek	73229	Temperature
Huckleberry Creek	3757	Temperature
Reichel Creek	48666	Temperature
Tempo Lake Outlet	48696	Temperature

Unnamed Spring to Deschutes River	48713	Temperature

Column-specific notes:

Yellow = new TMDLs (loads)

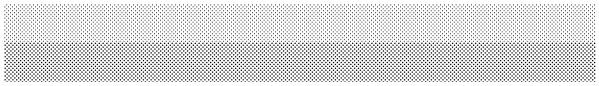
Pink = TMDLs to be revised/refined

Orange = TMDLs developed, but need new modeling

Disapproval rationale	Previous Approach (pages in 12-03-008)	Previous Data
Not protective of adjacent downstream (Budd Inlet) criterion for shellfish use.	30-d critical flow x WQC; 50:50 WLA:LA; statistical roll back reductions (93-104); loads on part 2 WQS	2003 & 2004; monthly+
Not protective of adjacent downstream (Budd Inlet) criterion for shellfish use.	30-d critical flow x WQC; 50:50 WLA:LA; statistical roll back reductions (93-104); loads on part 2 WQS	2003 & 2004; monthly+
Did not meet public participation for daily loads (only concentrations part of notice); *new: revise allocations to address individual permittees*	30-d critical flow x WQC; 50:50 WLA:LA; statistical roll back reductions (93-104); loads on part 2 WQS	2003 & 2004; monthly+
Did not meet public participation for daily loads (only concentrations part of notice); *new: revise allocations to address individual permittees*	30-d critical flow x WQC; 50:50 WLA:LA; statistical roll back reductions (93-104); loads on part 2 WQS	2003 & 2004; monthly+
Did not meet public participation for daily loads (only concentrations part of notice); *new: revise allocations to address individual permittees*	30-d critical flow x WQC; 50:50 WLA:LA; statistical roll back reductions (93-104); loads on part 2 WQS	2003 & 2004; monthly+
Did not meet public participation for daily loads (only concentrations part of notice); *new: revise allocations to address individual permittees*	30-d critical flow x WQC; 50:50 WLA:LA; statistical roll back reductions (93-104); loads on part 2 WQS	2003 & 2004; monthly+
Did not meet public participation for daily loads (only concentrations part of notice); *new: revise allocations to address individual permittees*	30-d critical flow x WQC; 50:50 WLA:LA; statistical roll back reductions (93-104); loads on part 2 WQS	2003 & 2004; monthly+
Did not meet public participation for daily loads (only concentrations part of notice); *new: revise allocations to address individual permittees*	30-d critical flow x WQC; 50:50 WLA:LA; statistical roll back reductions (93-104); loads on part 2 WQS	2003 & 2004; monthly+
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	inputs to Deschutes Q2Kw model (p. 152, 173-174)	2003 & 2004; monthly+ (grab only)
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	interim loading capacity for DO and pH in the Percival Creek watershed is expressed as the solar radiation heat loads based on system potential vegetation; decreased temperatures would improve DO and pH (171)	2003 & 2004; monthly+ (grab only)
Not protective of downstream WQC in Capitol Lake; natural shade targets to not result in attainment of natural condition; point sources not included	QUAL2Kw (temperature, DO, pH, etc.) (148-176); Delta Method also used (48)	continuous data in EIM
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	inputs to Deschutes Q2Kw model (p. 152, 173-174)	just a few samples in EIM (13-LAK-00.0) (3 grab samples)

No analysis to evaluate linkage between the target (natural conditions) and loading capacity (shade targets); point sources not included	current and potential shade; interim loading capacity for DO and pH in the Percival Creek watershed is expressed as the solar radiation heat loads based on system potential vegetation; decreased temperatures would improve DO and pH (171)	2003 & 2004; monthly+ (grab only)
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	inputs to Deschutes Q2Kw model (p. 152, 173-174)	2003 & 2004; monthly+ (grab only)
Lacks a linkage analysis between the TMDL water quality target and the assigned loading capacity (EPA agrees with the target just not how the load capacity will achieve this target)	reductions to achieve healthy sediment from current calculated; sediment budget for anthropogenic contribution (87-91, 181-185)	sediment budget in report
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	current and potential shade; interim loading capacity for DO and pH in the Percival Creek watershed is expressed as the solar radiation heat loads based on system potential vegetation; decreased temperatures would improve DO and pH (171)	2003 & 2004; monthly+ (grab only)
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	inputs to Deschutes Q2Kw model (p. 152, 173-174)	2003 & 2004; monthly+ (grab only)
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	current and potential shade; interim loading capacity for DO and pH in the Percival Creek watershed is expressed as the solar radiation heat loads based on system potential vegetation; decreased temperatures would improve DO and pH (171)	2003 & 2004; monthly+ (grab only)
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	inputs to Deschutes Q2Kw model (p. 115, 138)	only grab samples in EIM (11 in 2004); 30 flow measurements in 2003/04
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	inputs to Deschutes Q2Kw model (p. 115, 138)	daily min, max, avg for 2003 in EIM (13HUC00.3), 2 flow measurements
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	inputs to Deschutes Q2Kw model (p. 115, 138)	daily min, max, avg for 2003 in EIM (13REI00.9), 30 flow measurements 2003/04
Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	inputs to Deschutes Q2Kw model (p. 115, 138)	daily min, max, avg for 2003 in EIM (13TEM00.0), 2 flow measurements

Does not assign loadings, so missing TMDL components (loading capacity, allocations for point and nonpoint sources, margin of safety)	inputs to Deschutes Q2Kw model (p. 115, 138)	daily min, max, avg for 2003 in EIM (13SPI00.1), 3 flow measurements



Previous WQC	New(er) Data and Information	WQC Notes	Notes/Qs
Primary contact (FC geomean NTE 100 colonies/100mL; not more than 10% >200)	some additional stations/samples	update to Shellfish (50 col/100mL)	*Can we obtain previous analysis spreadsheets, including loads?*
Primary contact (FC geomean NTE 100 colonies/100mL; not more than 10% >200)	some additional stations/samples	update to Shellfish (50 col/100mL)	*Can we obtain previous analysis spreadsheets, including loads?*
Primary contact (FC geomean NTE 100 colonies/100mL; not more than 10% >200)	additional stations/samples (2008)	review WQC; trib to Budd Inlet	2012 listing ID changes (grouped); *Can we obtain previous analysis spreadsheets, including loads?*
Primary contact (FC geomean NTE 100 colonies/100mL; not more than 10% >200)	some additional stations/samples	review WQC; trib to Budd Inlet	2012 listing ID changes (grouped); *Can we obtain previous analysis spreadsheets, including loads?*
Primary contact (FC geomean NTE 100 colonies/100mL; not more than 10% >200)	some additional stations/samples	review WQC; trib to Budd Inlet	2012 listing ID changes (grouped); *Can we obtain previous analysis spreadsheets, including loads?*
Primary contact (FC geomean NTE 100 colonies/100mL; not more than 10% >200)	some additional samples (few)	OK as is	2012 listing ID changes (grouped); *Can we obtain previous analysis spreadsheets, including loads?*
Primary contact (FC geomean NTE 100 colonies/100mL; not more than 10% >200)	some additional samples (few)	review WQC; trib to Budd Inlet	*Can we obtain previous analysis spreadsheets, including loads?*
Primary contact (FC geomean NTE 100 colonies/100mL; not more than 10% >200)	some additional samples (few)	OK as is	*Can we obtain previous analysis spreadsheets, including loads?*
Spawning, etc. (>8 mg/L)	some additional samples	may need to update as per Deschutes change to Lake Class	*Can we obtain (1) scenario versions of the QUAL2kw model and (2) processing spreadsheets for model point source (tributary) inputs?*
Core Summer (>9.5 mg/L)	some additional samples	OK as is (trib to Percival)	2012 listing ID changes (grouped)
Spawning, etc. (>8 mg/L)	up to 2013	update to Lake Class	*Can we obtain (1) shade models, (2) Delta Method spreadsheet models, and (3) Thermal Infrared surveys (TIR) along Deschutes?*
Spawning, etc. (>8 mg/L)	some additional samples (few)	may need to update as per Deschutes change to Lake Class	Note: 12-03-008 station ID incorrect in App D

Core Summer (>9.5 mg/L)	some additional stations/samples	OK as is	2012 listing ID changes (grouped); *Can we obtain shade models?*
Spawning, etc. (>8 mg/L)	some additional samples	may need to update as per Deschutes change to Lake Class	
"healthy levels of fine sediment"	monthly+ turbidity data; raw continuous data not in EIM, just summary	OK as is	*Can we obtain previous analysis spreadsheets including Washington Road Surface Erosion Model?*
Spawning, etc. (6.5-8.5, human-caused variation <0.5)	none in EIM	OK as is	
Spawning, etc. (6.5-8.5, human-caused variation <0.5)	none in EIM	OK as is	
Core Summer (6.5-8.5, human-caused variation <0.2)	some additional stations/samples	OK as is	2012 listing ID changes
Spawning, etc. (7DADM 17.5C)	none in EIM	OK as is	
Core (7DADM 16.0C)	none in EIM	OK as is	
Core (7DADM 16.0C)	none in EIM	OK as is	
Spawning, etc. (7DADM 17.5C)	none in EIM	OK as is	

Core (7DADM 16.0C)	none in EIM	OK as is	2012 listing ID changes
			Will use PARIS database to identify point source data. Pending data from Tribe. Ask Tribe for Raines 2007 sediment study. May need to request data from County in more useable format.

some additional
stations/samples